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NOTICE OF ALLOWANCE AND FEE(S) DUE

52054

7590

09/17/2008

PEARNE & GORDON LLP 1801 EAST 9TH STREET SUITE 1200 CLEVELAND, OH 44114-3108

EXAMINER					
DOAN, NGA					
ART UNIT	PAPER NUMBER				
2813					

DATE MAILED: 09/17/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/597.716	08/04/2006	Yuichiro Sasaki	41034	5307

TITLE OF INVENTION: METHOD FOR INTRODUCING IMPURITIES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	12/17/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

appropriate. All further indicated unless correct maintenance fee notifica	correspondence including ed below or directed of tions.	ng the Patent, advance o herwise in Block 1, by (orders and notification of a) specifying a new co	of m rresp	naintenance fees v pondence address;	ill be i and/or	mailed to the current (b) indicating a sepa	correspondence address a rate "FEE ADDRESS" fo
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)			I	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
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PEARNE & G 1801 EAST 9TH SUITE 1200	H STREET		I S E t	here State addre rans	eby certify that thes Postal Service v	is Fee(s	of Mailing or Transi) Transmittal is being ficient postage for firs ISSUE FEE address 1) 273-2885, on the da	nission deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.
CLEVELAND,	OH 44114-3108							(Depositor's name)
								(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	OR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/597,716	08/04/2006	•	Yuichiro Sasaki				41034	5307
TITLE OF INVENTION	: METHOD FOR INTR	ODUCING IMPURITIES	S					
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nonprovisional	NO	\$1440	\$300		\$0		\$1740	12/17/2008
EXAM	IINER	ART UNIT	CLASS-SUBCLASS					
DOAN	, NGA	2813	438-513000					
	ondence address (or Cha B/122) attached. ication (or "Fee Address 12 or more recent) attach	`	2. For printing on the (1) the names of up or agents OR, altern (2) the name of a siregistered attorney 2 registered patent a listed, no name will	to nativi ingle or ag	3 registered patentiely, e firm (having as a gent) and the namineys or agents. If	t attorn members of up	er a 2 o to	
PLEASE NOTE: Un recordation as set fort (A) NAME OF ASSI	less an assignee is ident h in 37 CFR 3.11. Com GNEE	pletion of this form is NC	data will appear on th T a substitute for filing (B) RESIDENCE: (C.	e pa an a	tent. If an assign assignment. and STATE OR C	COUNT	RY)	ocument has been filed for
Please check the appropr	iate assignee category or	r categories (will not be p	rinted on the patent):		Individual 🖵 Co	orporati	on or other private gro	up entity 🔲 Government
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies		4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).						
5. Change in Entity Sta	,		□	,	1		WIN	TD 1.07(.)(0)
NOTE: The Issue Fee an	s SMALL ENTITY stated d Publication Fee (if req	uired) will not be accepte	b. Applicant is no ed from anyone other the		=			e assignee or other party in
interest as shown by the	records of the United Sta	ites Patent and Trademark	k Office.					
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10/597,716	08/04/2006	Yuichiro Sasaki	41034	5307
52054 75	90 09/17/2008		EXAM	INER
PEARNE & GOI	RDON LLP		DOAN	, NGA
1801 EAST 9TH S	TREET		ART UNIT	PAPER NUMBER
SUITE 1200 CLEVELAND, OH 44114-3108			2813 DATE MAILED: 09/17/200	8

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 349 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 349 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/597,716	SASAKI ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Nga Doan	2813	
The MAILING DATE of this communication appeal all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313 1. ☑ This communication is responsive to 06/2402008.	(OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is	in this application. If not included nunication will be mailed in due course	
2. ☑ The allowed claim(s) is/are <u>1 and 3-11</u> .			
3. Acknowledgment is made of a claim for foreign priority unal All b) ☐ Some* c) ☐ None of the: 1. Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE"	be been received. been received in Applicat cuments have been receiv of this communication to fi	ion No ed in this national stage application fro	
noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EX		E OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) ☐ including changes required by the Notice of Draftspers		ew (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on	the drawings in the front (not the back)	of
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MA	ERIAL must be submitted. Note th	e
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08),	6. ☐ Interview Paper No 7. ☑ Examiner'	nformal Patent Application Summary (PTO-413), ./Mail Date : s Amendment/Comment s Statement of Reasons for Allowance 	,

Examiner's Amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the abstract

Insert the second paragraph right after the end of the first paragraph.

Reason for Allowance

The following is an examiner's statement of reasons for allowance: the prior arts of record fail to disclose all the limitations recited in the base claim 1. Specifically, the combination of an impurity introducing method including:

A first plasma irradiation step of carrying out plasma irradiation for realization of amorphous in which a surface of a semiconductor substrate is changed to an amorphous situation, and a second plasma irradiation step of carrying out plasma doping impurities so as to form a shallow junction in the semiconductor substrate, and including a resetting step of resetting a plasma irradiation condition, on the occasion of shifting from the first plasma irradiation step to the second plasma irradiation step, wherein the resetting step includes a step of resetting an initial condition of a platen RF power supply system so as to adapt to plasma which is used in each step.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nga Doan whose telephone number is (571)270-5356. The examiner can normally be reached on Mon - Fri: 7:30am - 5pm (ET).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Whitehead can be reached on 571-272-1702. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Nga Doan/ Examiner, Art Unit 2813 /Phat X. Cao/ Primary Examiner, Art Unit 2814